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Documentary as indicated. requested.)

(Information specifically

RECENTLY PUBLISHED RESEARCH OF THE FIRST ORDER OF LEWIN L'DICAL INSTITUTE, MOSCO., USBR

"Toxicity of later-soluble Preparation of Vitamin K," L. N. Kazantseva, Lenin Red Inst

"Byull Eksper Biol i Med" Vol 21, No 4, 1946, pp 72-3

On intravenous injection of individual doses of 60-80 g/kg of a 1% solution of vitamin K (matinon), cats suffer from respiratory disturbances and finally low pulse rate and blood pressure. There are no visible thrombi; the clood prothrombin concentration is increased. Cats can stand larger amounts of vitamin K in diwided doses. No cumulative action was demonstrated.

"Accumulation of Arsonic in the Organs of Rabbits Infected with Syphilis," E. I. Apasove, Lenin Med Inst

"Vestnik Venerol i Demantol" No 2, 1945, pp 23-7

To clarify contradictory reports of loci of As accumulation, rabbits were infected with syphilis and then treated with novarsenol (I), miarsenol (II), and osarsel (III). Microdoterminations of As were by the icdotitrometric method of Alkraft and Grean, but HCl was substituted for 9:30; in disintegrating the organs.
There was a greater accumulation of As in syphilitic animale than in healthy onec. Intravenously, I resulted in 4 times as much rotention in the brain as with II or III. III produced 4 times as much retention in the digestive tract as with I or II. The relation in the digestive tract as with I or II. The relation in the digestive tract as with I or II. atively smaller amounts of As in other organs, follow-

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ing injection of III, probably explains its inferior therapsutic value. Different individuals, similarly treated, varied markedly in As retention, making it impossible to determine the dose administered from As accumulation in organs. In descending order of the amounts of As stored, the organs are kidney, spleen, liver, brain, lungs. Loss of the accumulated As was very also. From the results, the best therapeutic treatment seems to be intravenous injections of I.

"Action of Bromine Salts on the Thyroid Gland," E. R. Emel'yanova, Lenin Med Ynst

"Byull Eksper Biol i Med" Vol 20, No 10/11, 1945, pp 39-42

The effect of subcutaneous injections of RBr on the thyroid gland of guines pige, white mice, and white rate was studied. With all animals, significant increases in the weight of the thyroid were obtained by administration of 12.5 mg of KBr over a period of 5 days. The epithelial cells were increased in size, and an increase in the proportion of cubical and cylindrical cells was moted; the secretory activity of the gland was increased.

"Effect of D and E Vitamins on the Bile-forming Function of the Liver," A. V. Gubar, Chair of Physiol, Lenin Med Inst, Moscow

"Byull Empor Biol i Not" Vol 18, No 4/5, 1944, pp 67-50

Vitamin D was introduced under the skin of dogs 5 days is succession in one or doses containing 12,000 international units. It had no effect on the bile-forming function of the liver. A solution of the synthetically prepared witamin K (2-methyl-1,b-naphthoquinone) in apricot-kernel oil was injected into the muscles. It produced a short increase in the secretion of the bile followed by a prolonged depression in the bile secretion. The depression period hasted about 10 days; then the bile-forming function of the liver started to increase gradually and in 2-3 weeks from the last injection of witamin K it became normal.

"Combined Action of Vascdilators on Peripheral Vessels," A. I. Mironenko, Lenin Ned Inst

"Farmakol i Toksikul" Vol 7, Mo 6, 1944, pp 66-51

The vasodilators papaverine-Hil (I), MaHO₂ (II), and dinretin (III) were tried in pairs on isolated nabbit ears. The pairs showed activities which were more than additive. The selected test pairs, and concentrations in parts per million, were: II-40, I-16; I-1 and 10, III-0.4 and 0.04; II-40, III-0.2 and 0.4.

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